

Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 368292000200

Application Number 10/025,514

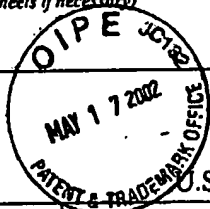
Applicant

Philip J. BARR et al.

Filing Date December 18, 2001

Group Art Unit 1653

Mailing Date May 10, 2002



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U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
<i>dwf</i>	1.	06/11/1985	4,522,811	Eppstein et al.			
<i>dwf</i>	2.	03/22/1988	4,732,973	Barr et al.			
<i>dwf</i>	3.	05/24/1988	4,746,648	Wagnon et al.			
<i>dwf</i>	4.	06/21/1988	4,752,576	Brake et al.			
<i>dwf</i>	5.	07/26/1988	4,760,130	Thompson et al.			
<i>dwf</i>	6.	07/04/1989	4,845,076	Heinzel et al.			
<i>dwf</i>	7.	09/26/1989	4,870,008	Brake			
<i>dwf</i>	8.	10/10/1989	4,873,316	Meade et al.			
<i>dwf</i>	9.	03/03/1992	5,093,316	Lezdey et al.			
<i>dwf</i>	10.	03/01/1994	5,290,762	Lezdey et al.			
<i>dwf</i>	11.	07/12/1994	5,328,470	Nabel et al.			
<i>dwf</i>	12.	11/07/1995	5,464,822	Christophers et al.			
<i>dwf</i>	13.	01/21/1997	5,595,885	Stetler-Stevenson et al.			
<i>dwf</i>	14.	05/27/1997	5,633,227	Muller et al.			
<i>dwf</i>	15.	07/01/1997	5,643,752	Hawkins et al.			
<i>dwf</i>	16.	07/14/1998	5,780,440	Lezdey et al.			
<i>dwf</i>	17.	12/15/1998	5,849,691	Majer et al.			
<i>dwf</i>	18.	12/22/1998	5,851,983	Sugiyama et al.			
<i>dwf</i>	19.	02/16/1999	5,871,956	Bandyopadhyay et al.			
<i>dwf</i>	20.	05/04/1999	5,900,400	Thompson et al.			
<i>dwf</i>	21.	06/22/1999	5,914,392	Hawkins et al.			
<i>dwf</i>	22.	11/16/1999	5,985,309	Edwards et al.			
<i>dwf</i>	23.	01/25/2000	6,017,880	Eisenberg et al.			
<i>dwf</i>	24.	05/30/2000	6,068,994	Barr			
<i>dwf</i>	25.	09/26/2000	6,124,257	Lezdey et al.			
<i>dwf</i>	26.	10/17/2000	6,131,566	Ashurst et al.			

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<i>dw</i>	27.	10/24/2000	6,136,295	Edwards et al.			
<i>dw</i>	28.	11/07/2000	6,143,277	Ashurst et al.			
<i>dw</i>	29.	02/13/2001	RE37,053 E	Hanes et al.			
<i>dw</i>	30.	07/03/2001	6,253,762 B1	Britto			
<i>dw</i>	31.	07/03/2001	6,254,854 B1	Edwards et al.			
<i>dw</i>	32.	09/18/2001	6,291,662 B1	Bandyopadhyay et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO	
<i>dw</i>	33.	03/09/1983	EP 0 073 657 A1, B1	Europe				
<i>dw</i>	34.	04/10/1986	WO 86/02100 A1	WIPO				
<i>dw</i>	35.	06/19/1986	WO 86/03519 A1	WIPO				
<i>dw</i>	36.	04/20/1988	EP 0 264 166 A1	Europe				
<i>dw</i>	37.	12/27/1990	EP 0 404 750 B1	Europe				
<i>dw</i>	38.	04/19/1995	EP 0 648 838 A1	Europe				

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Examiner Initials	Ref. No.	Title
<i>dw</i>	39.	Agarwal, N. S. and Rich, D. H. (1986). "Inhibition of Cathepsin D by Substrate Analogues Containing Statine and by Analogues of Pepstatin," <i>J. Med. Chem.</i> 29:2519-2524.
<i>dw</i>	40.	Ausubel, F. M. et al. (2001). <u>Current Protocols in Molecular Biology</u> . John Wiley & Sons, Inc. 11 pages total (Table of Contents for Volumes 1-4 only).
<i>dw</i>	41.	Aviles, F. X. (1993). <u>Innovations in Proteases and Their Inhibitors</u> . W. DeGruyter, Berlin, N.Y. total pages 5. (Table of Contents).
<i>dw</i>	42.	Baldwin, E. T. et al. (July 1993). "Crystal Structures of Native and Inhibited Forms of Human Cathepsin D: Implications for Lysosomal Targeting and Drug Design," <i>Proc. Natl. Acad. Sci.</i> 90:6796-6800.
<i>dw</i>	43.	Banerji, J. et al. (July 1983). "A Lymphocyte-Specific Cellular Enhancer is Located Downstream of the Joining Region in Immunoglobulin Heavy Chain Genes," <i>Cell</i> 33:729-740.

EXAMINER: *M. Pollock*

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44.	Barnes, P. J. (February 2000). "Mechanisms in COPD: Differences From Asthma," <i>Chest</i> 117(2):10S-14S.
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51.	Bode, W. and Huber, R. (2000). "Structural Basis of The Endoproteinase-Protein Inhibitor Interaction," <i>Biochimica et Biophysica Acta</i> 1477:241-252.
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61.	Docherty, A. J. P. et al. (November 1985). "Sequence of Human Tissue Inhibitor of Metalloproteinases and its Identity to Erythroid-Potentiating Activity," <i>Nature</i> 318:66-69.
62.	Eckman, E.A. et al. (August 1999). "In Vitro Transport of Active α_1 -Antitrypsin to the Apical Surface of Epithelia by Targeting the Polymeric Immunoglobulin Receptor," <i>Am. J. Respir. Cell Mol. Biol.</i> 21:246-252.
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76.	Huang, W. et al. (1996). "Folding and Characterization of the Amino-Terminal Domain of Human Tissue Inhibitor of Metalloproteinases-1 (TIMP-1) Expressed at High Yield in <i>E. Coli</i> ," <i>FEBS Lett.</i> 384:155-161.
77.	Huff, J. R. (August 1991). "HIV Protease: A Novel Chemotherapeutic Target for AIDS," <i>J. of Med. Chem.</i> 34(8):2305-2314.

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78.	Jupp, R. A. (July 1990). "The Selectivity of Statine-Based Inhibitors Against Various Human Aspartic Proteinases," <i>Biochem. J.</i> 265:871-878.
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90.	Mullis, K. B. et al. (1994). <i>The Polymerase Chain Reaction</i> . Birkhäuser, Boston, pp. xv-xvii. (Table of Contents).
91.	Murphy, G. et al., eds. (August 1991). "The N-Terminal Domain of Tissue Inhibitor of Metalloproteinases Retains Metalloproteinase Inhibitory Activity," <i>Biochemistry</i> 30(33):8097-8102.
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COPY			
<div style="font-family: cursive; font-size: 1.2em;">dnf</div>	96.	Pennington, M. W. et al. (1990). <u>Twenty-First European Peptide Symposium</u> . Gimet E. and Andrew D, eds. Escom; Leiden, Netherlands, pgs. xvii-li. (Table of Contents).	
<div style="font-family: cursive; font-size: 1.2em;">dnf</div>	97.	Pinkert, C. A. et al. (1987). "An Albumin Enhancer Located 10 kb Upstream Functions Along with its Promoter to Direct Efficient, Liver-Specific Expression in Transgenic Mice," <i>Genes & Dev.</i> 1:268-276.	
<div style="font-family: cursive; font-size: 1.2em;">dnf</div>	98.	Potempa, J. et al. (June 1994). "The Serpin Superfamily of Proteinase Inhibitors: Structure, Function, and Regulation," <i>The J. of Biol. Chem.</i> 269(23):15957-15960.	
<div style="font-family: cursive; font-size: 1.2em;">dnf</div>	99.	Queen, C. and Baltimore, D. (July 1983). "Immunoglobulin Gene Transcription Is Activated by Downstream Sequence Elements," <i>Cell</i> 33:741-748.	
<div style="font-family: cursive; font-size: 1.2em;">dnf</div>	100.	Sambrook, J. et al. (1989). <u>Molecular Cloning: A Laboratory Manual 2nd ed.</u> Cold Spring Harbor Laboratory Press, Vol. 1-3., pp. xi-xxxviii. (Table of Contents).	
<div style="font-family: cursive; font-size: 1.2em;">dnf</div>	101.	Scopes, R. K. (1982). <u>Protein Purification: Principles and Practice</u> . Springer-Verlag, N.Y. pp. xiv-xiii. (Table of Contents).	
<div style="font-family: cursive; font-size: 1.2em;">dnf</div>	102.	Smith, D. B. and Johnson, K.S. (1988). "Single-Step Purification of Polypeptides Expressed in <i>Escherichia Coli</i> as Fusions with Glutathione S-Transferase," <i>Gene</i> 67:31-40.	
<div style="font-family: cursive; font-size: 1.2em;">dnf</div>	103.	Stevenson-Stetler, W. G. et al. (August 1990). "Tissue Inhibitor of Metalloproteinases-2 (TIMP-2): mRNA Expression in Tumor Cell Lines and Human Tumor Tissues," <i>The J. of Biol. Chem.</i> 265(23):13933-13938.	
<div style="font-family: cursive; font-size: 1.2em;">dnf</div>	104.	Teshima, T. et al. (May 1982). "A New Class of Heterocyclic Serine Protease Inhibitors," <i>The J. of Biol. Chem.</i> 257(9):5085-5091.	
<div style="font-family: cursive; font-size: 1.2em;">dnf</div>	105.	Turk, V. and Bode, W. (July 1991). "The Cystatins: Protein Inhibitors of Cysteine Proteinases," <i>FEBS Lett.</i> 285(2):213-219.	
<div style="font-family: cursive; font-size: 1.2em;">dnf</div>	106.	Umezawa, H. et al. (May 1970). "Pepstatin, A New Pepsin Inhibitor Produced By Actinomycetes," <i>The J. of Antibiot.</i> 23(5):259-262.	
<div style="font-family: cursive; font-size: 1.2em;">dnf</div>	107.	Vogelmeier, C. et al. (1990). "Aerosolization of Recombinant SLPI to Augment Antineutrophil Elastase Protection of Pulmonary Epithelium," <i>J. Appl. Physiol.</i> 69(5):1843-1848.	
<div style="font-family: cursive; font-size: 1.2em;">dnf</div>	108.	Wada, K. et al. (1992). "Codon Usage Tabulated from the GenBank Genetic Sequence Data," <i>Nucleic Acids Res.</i> 20:2111-2118.	
<div style="font-family: cursive; font-size: 1.2em;">dnf</div>	109.	Weir, D. M., eds. <u>Handbook of Experimental Immunology in Four Volumes</u> . L.A. Herzenberg and C. Blackwell co-eds., Blackwell Scientific Publications, Oxford, Total pages 27. (Table of Contents for Volumes 1-4).	
<div style="font-family: cursive; font-size: 1.2em;">dnf</div>	110.	Wilde, C. G. et al. (1994). "Cloning and Characterization of Human Tissue Inhibitor of Metalloproteinases-3," <i>DNA and Cell Biol.</i> 13(7):711-718.	
<div style="font-family: cursive; font-size: 1.2em;">dnf</div>	111.	Wilhem, S. M. et al. (October 1987). "Human Skin Fibroblast Stromelysin: Structure, Glycosylation, Substrate Specificity, and Differential Expression in Normal and Tumorigenic Cells," <i>Proc. Natl. Acad. Sci.</i> 84:6725-6729.	
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<i>dw</i>	112.	Willenbrock, F. et al. (1993). "The Activity of the Tissue Inhibitors of Metalloproteinases Is Regulated by C-Terminal Domain Interactions: A Kinetic Analysis of the Inhibition of Gelatinase A," <i>Biochemistry</i> 32(16):4330-4337.
<i>dw</i>	113.	Winoto, A. and Baltimore, D. (1989). "A Novel, Inducible and T Cell-Specific Enhancer Located at the 3' End of the T Cell Receptor α Locus," <i>The EMBO Journal</i> 8(3):729-733.
<i>dw</i>	114.	Woessner, F. J., Jr. (May 1991). "Matrix Metalloproteinases and Their Inhibitors in Connective Tissue Remodeling," <i>The FASEB J.</i> 5:2145-2154.

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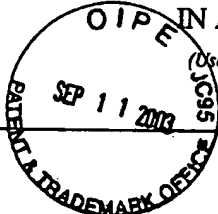
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FOREIGN PATENT DOCUMENTS

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M	1.	09/22/1988	AU-B-13288/88	Australia	—	—	

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
M	2.	Abe, T. et al. (1991). "Expression of the Secretary Leukoprotease Inhibitor Gene in Epithelial Cells," <i>Journal of Clinical Investigation</i> 87:2207-2215.

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Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION (Use several sheets if necessary)

Docket Number 368292000200

Application Number 10/025,514

Applicant

Philip J. BARR, et al

Filing Date December 18, 2001

Group Art Unit 1652

Mailing Date August 7, 2003

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
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FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
dw	1.	11/19/1998	WO 98/51788	WIPO			

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

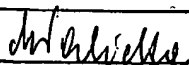
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Form PTO-1449

Docket Number 368292000200

Application Number 10/025,514

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

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Applicant

Philip J. BARR et al.

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
dwl	1.	09/28/1988	EP 0 283 932	Europe			

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
dwl	2.	Barnes, P.J. (1999). "Novel Approaches and Targets for Treatment of Chronic Obstructive Pulmonary Disease," <i>American Journal of Respiratory and Critical Care Medicine</i> 160(5):S72-S79.
dwl	3.	Lee, G.F. et al. (1997). "Potent Bifunctional Anticoagulants: Kunitz Domain—Tissue Factor Fusion Proteins," <i>Biochemistry</i> 36(19):5607-5611.
dwl	4.	Schasteen, C.S. et al. (1991). "Synthetic Peptide Inhibitors of Complement Serine Proteases - III. Significant Increase In Inhibitor Potency Provides Further Support For The Functional Equivalence Hypothesis," <i>Molecular Immunology</i> 28(1/2):17-26.
dwl	5.	Urwin, P.E. et al. (1998). "Enhanced Transgenic Plant Resistance to Nematodes by Dual Proteinase Inhibitor Constructs," <i>Planta</i> 204:472-479.

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